

# Converting Colors

XYZ(38.4520, 72.6460, 23.8724)

Have a look what the booklet for  
XYZ(38.4520, 72.6460, 23.8724)  
contains.

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# Color

**XYZ(38.4381, 72.6405,  
23.7995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AFF63
RGB	26, 255, 99
RGB Percent	10%, 100%, 39%
CMY	0.8980, 0.0000, 0.6117
CMYK	0.90, 0.00, 0.61, 0.00
HSL	139°, 100%, 55%
HSV	139°, 90%, 100%
XYZ	38.4381, 72.6405, 23.7995
YIQ	168.7450, -86.4080, -97.0640

# Conversions

## Conversions Part 2

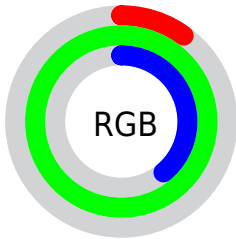
<b>Format</b>	<b>Color</b>
<b>RYB</b>	26, 200, 255
Decimal	1769315
CIELab	88.28, -79.71, 59.31
CIELCh	88, 99.357, 143.349
Yxy	72.6405, 0.2850, 0.5386
Android (android.graphics.Color)	4279959395 (0xFF1AFF63)
YUV	168.7450, -34.3843, -125.1874
Hunter-Lab	85.2294, -68.6487, 43.1044

# Details

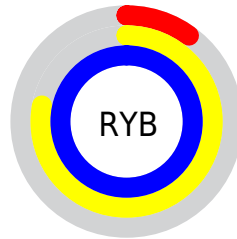
The XYZ color **38.4381, 72.6405, 23.7995** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **50.0526, 25.3762, 46.5145**, and the grayscale version is **37.7814, 39.7490, 43.2866**.

A 20% lighter version of the original color is **49.6188, 77.9907, 43.0104**, and **20.1578, 39.6470, 8.7807** is the 20% darker color. If you saturate the color by 10%, you get **37.2754, 72.1269, 19.8671**, and if you desaturate by 10%, it is **40.3249, 73.5066, 28.7006**.

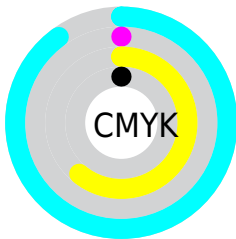
# Distribution



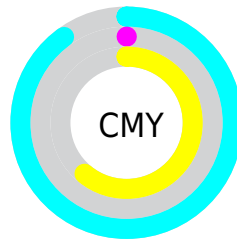
- Red (10%)
- Green (100%)
- Blue (39%)



- Red (10%)
- Yellow (78%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)



- Cyan (90%)
- Magenta (0%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4381, 72.6405, 23.7995 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 38.4381, 72.6405, 23.7995 by changing the saturation by 10% instead.





 38.4381, 72.6405,  
23.7995


 38.4381, 72.6405,  
23.7995


330.7440,  
469.7679, 285.0591


 26.5016, 53.6821,  
14.9741


 72.0787, 122.9667,  
50.6425


 17.3339, 38.3475,  
8.6548


 94.5136, 155.1033,  
69.4973

 10.5696, 26.2525,  
4.4230


 121.1786,  
192.4013, 92.5322

 5.8434, 17.0127,  
1.8601

 152.4392,  
235.2453, 120.1660

 2.7898, 10.2435,  
0.4672

188.6607,  
284.0195, 152.8170

 1.0436, 5.5607,  
0.0000

230.2084,

 0.0000, 2.5799,

339.1084, 190.9038

0.0000

277.4478,  
400.8964, 234.8450

■ 0.0000, 0.9165,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.4381, 72.6405,  
23.7995

■ 38.4381, 72.6405,  
23.7995

■ 37.2754, 72.1269,  
19.8671


■ 40.3249, 73.5066,  
28.7006

■ 37.2562, 72.1185,  
19.7988


■ 43.1061, 74.8120,  
34.6298


■ 46.8920, 76.6124,  
41.6442

■ 51.7758, 78.9547,  
49.7954

 57.8397, 81.8804,  
59.1317

 65.1577, 85.4267,  
69.6982

 73.7976, 89.6276,  
81.5380

 83.8221, 94.5147,  
94.6919

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.4394, 72.6405, 9.4550



38.4381, 72.6405, 23.7995



32.8187, 72.6405, 64.8565

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.4381, 72.6405, 23.7995



63.8740, 72.6405, 293.9191



120.1889, 72.6405, 37.6744

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.4381, 72.6405, 23.7995



50.0526, 25.3762, 46.5145

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



125.2380, 72.6405, 95.2742



38.4381, 72.6405, 23.7995



88.8256, 72.6405, 270.9017

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.4381, 72.6405, 23.7995



45.1585, 72.6405, 237.8359



112.6768, 72.6405, 186.0333



100.1401, 72.6405, 13.6403



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.4381, 72.6405, 23.7995



33.3877, 72.6405, 113.3957



112.6768, 72.6405, 186.0333



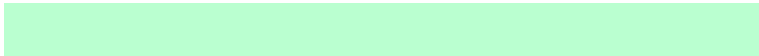
123.8615, 72.6405, 52.5165

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.4384, 72.6406, 23.8007



67.4435, 86.5368, 72.8869



55.3524, 81.5987, 13.8101



13.8427, 18.2345, 14.7723



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.4384, 72.6406, 23.8007



37.2562, 72.1185, 19.7988



48.1985, 76.5446, 75.1964



18.0102, 20.2636, 20.3565



19.5268, 37.7073, 10.6596



1.9485, 3.6903, 1.2866



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.0526, 25.3762, 46.5145



48.8515, 24.3046, 42.0118



42.6524, 22.4160, 7.5451



18.5318, 18.1960, 21.4176



25.5969, 12.7281, 22.3258

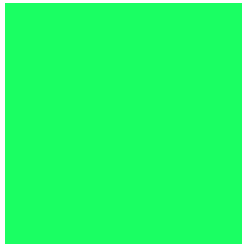


2.5421, 1.2592, 2.4359



# Previews

## White Background



This preview shows how the XYZ color 38.4381, 72.6405, 23.7995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.4381, 72.6405, 23.7995 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.4381, 72.6405, 23.7995**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.4381, 72.6405, 23.7995.



This preview shows how white text looks on a background with the XYZ color 38.4381, 72.6405,



# Color Blindness Simulation

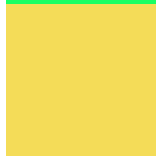
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



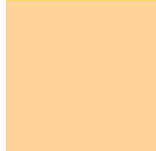
### Original Color

38.4381, 72.6405, 23.7995



### Protanopia

64.6629, 71.1241, 19.5527



### Deuteranopia

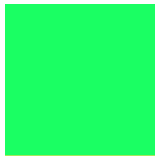
70.6999, 70.7135, 40.9331



## Tritanopia

56.2193, 71.8533, 105.5137

# Trichromacy



## Original Color

38.4381, 72.6405, 23.7995



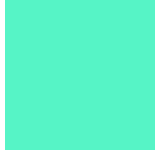
## Protanomaly

46.5877, 67.0499, 20.6117



## Deuteranomaly

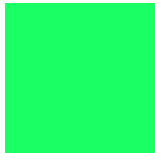
49.1298, 66.0067, 33.0728



## Tritanomaly

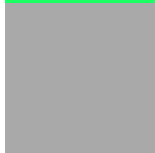
46.3815, 70.7570, 64.6390

# Monochromacy



## Original Color

38.4381, 72.6405, 23.7995



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

33.0244, 47.1041, 33.7370

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.4381, 72.6405, 23.7995 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(26, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(26, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 38.4381, 72.6405, 23.7995 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(26, 255, 99) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(26, 255, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(26, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.4381, 72.6405, 23.7995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(26, 255,  
99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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